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(71) Applicant and
(72) Inventor: **KIM, Kye-Seong** [KR/KR]; Department of Anatomy and Cell Biology, College of Medicine, Hanyang University, 17 Haengdang-dong, Seongdong-ku, Seoul 133-791 (KR).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **SUH, Mi-Ra** [KR/KR]; Cell and Gene Therapy Research Institute, Pochon CHA University College of Medicine, Seoul 135-081 (KR). **KIM, Vit-Narry** [KR/KR]; Institute of Molecular Biology and Genetics and School of Biological Sciences, Seoul National University, Seoul 151-724 (KR).

(74) Agent: **KIM, Seog-Hyun**; 9th Floor, Daekyung Building, 120, 2-ka, Taepyung-ro, Chung-ku, Seoul 100-724 (KR).

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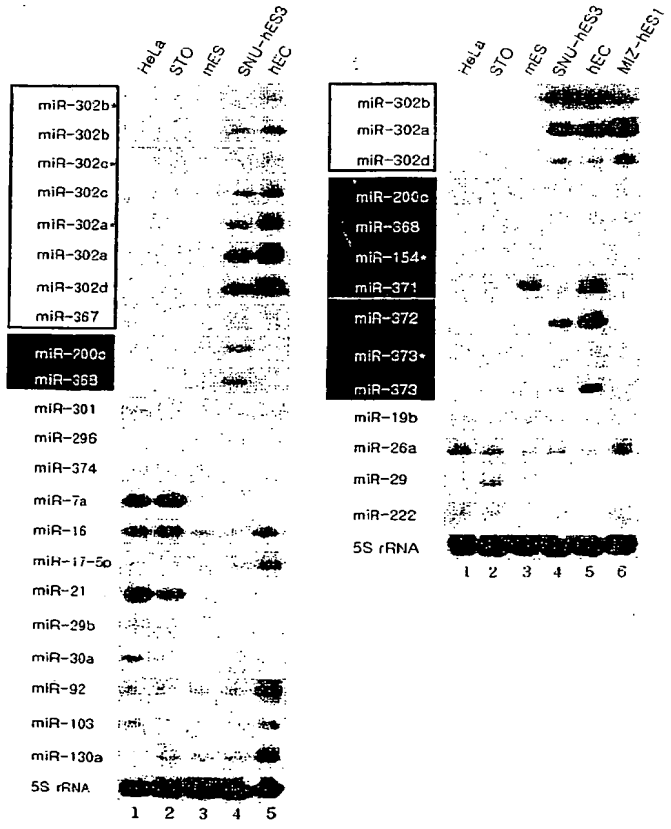
(54) Title: NOVEL MIRNA MOLECULES ISOLATED FROM HUMAN EMBRYONIC STEM CELL



(57) Abstract: The present invention relates to novel miRNA molecules, more particularly to novel miRNA molecules isolated from human embryonic stem cells. The miRNA molecules provided by the present invention can be usefully used as a molecular marker for early developmental stages of undifferentiated human embryonic stem cells. Also, the miRNA molecules of the present invention may play an important role in the regulation of mammalian embryonic stem cells. Therefore, the miRNA molecules can be usefully used for analyzing regulatory networks of human embryonic stem cells.

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